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the nucleoproteides in the nerve cells is based on dif-
ferences of the isoelectric points of the proteins com-
plexes in concrete structures. Differentiating fer-
mentolysis of the micro preparations controls the
nature of the studied nucleo-proteides. The reactivity
(Biological Sciences--Biochemistry, TT, v. 8, no. 8)
(over)

62-14759

I. Shabadash, A. L.
II. Palladin, A. V.
III. Title: Problems...

Office of Technical Services

62-14772

Vladimirov, G. E.
EFFECT OF HYPOTHERMIA IN COMBINATION
WITH CESSATION OF BLOOD CIRCULATION ON
BRAIN METABOLISM. [1962] [19]p. 29 refs.
Order from GTS or SLA \$1.60 62-14772

I. Vladimirov, G. E.
II. Palladin, A. V.
III. Title: Problems...

Trans. of mono. [Voprosy Biokhimi Nervnoi Sistemy]
(Problems in the Biochemistry of the Nervous Sys-
tem) ed by A. V. Palladin, Kiev, 1957, chap. 22,
p. 247-257.

DESCRIPTORS: *Hypothermia, *Blood circulation,
*Brain, Pathology, *Metabolism, Physiology,
Phospholipids, Lipoproteins, Amino acids, Glucose,
Glycogen

Research is summarized and tabulated on the effect
on brain metabolism of hypothermia and hypothermia
with cessation of blood circulation. Various methods
were used for inducing hypothermia and cessation of
(Biological Sciences--Biochemistry, TT, v. 8, no. 9)
(over)

Office of Technical Services

Chagovets, R. V., Lakhno, E. V. and others.
A COMPARATIVE STUDY OF THE EFFECT ON
METABOLIC PROCESSES IN THE NERVE TISSUE OF
PHYSICAL COOLING AMINASINE, AND Na-EVIPAN.
[1962] [17]p. 14 refs.

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62-14729

Trans. of mono. [Voprosy Biokhimii Nervnoi Sistemy]
(Problems in the Biochemistry of the Nervous System)
[ed. by] A. V. Palladin, Kiev, 1957, chap. 23,
p. 258-267.

DESCRIPTORS: *Metabolism, Dehydrogenases, Phos-
phorus compounds, Thiamine, Ascorbic acid, *Nerv-
ous system, Body temperature, *Hypothermia, Drugs,
*Chlorpromazine, *Barbituates.

The effects of inducing hypothermia by various means
were observed on the metabolite restoring properties,
dehydrase activity, labile phosphorus compounds,
(Biological Sciences--Physiology, TT, v. 8, no. 7)
(over)

62-14729

I. Chagovets, R. V.
II. Lakhno, E. V.
III. Palladin, A. V.
IV. Title: Problems ...

Office of Technical Services

Gacvshtaya, M. S.
CARBOHYDRATE-PHOSPHORUS METABOLISM IN THE
BRAIN WITH EXPIRATION UNDER CONDITIONS OF
HYPOTHERMIA FOLLOWED BY REVIVAL OF THE
LIFE FUNCTIONS OF THE ORGANISM. [1962] [17]p.
25 refs.

Order from OTS or SLA \$1.60

62-14698

Trans. of memo. [Voprosy Biohimi Nervnoi Steny]
(Problems in the Biochemistry of the Nervous System)
[ed. by] A. V. Palladin, Kiev, 1957, chap. 24,
p. 265-277.

DESCRIPTORS: *Carbohydrates, *Phosphorus, *Me-
tabolism, *Brain, *Hypothermia, *Clinical death

The problem of the present research consisted of in-
vestigating the energy possibilities in cerebral tissue
during different stages of dying and resuscitation of
animals under conditions of hypothermia. Hypothermia
(Biological Sciences--Physiology, TT, v. 9, no. 2) (over)

62-14698

I. Gacvshtaya, M. S.
II. Palladin, A. V.
III. Title: Problem...

Office of Technical Services

Veksler, Ya. I.
DYNAMICS OF PHOSPHORUS-CONTAINING MACRO-
ERGIC COMPOUNDS IN THE BRAIN DURING HYPO-
THERMIA. [1962] [14p].
Order from OTS or SLA \$1.60

62-14737

Trans. of mono. [Voprosy Biokhimii Nervnoi Sistemy]
(Problems in the Biochemistry of the Nervous System)
ed. by A. V. Palladin. Kiev, 1957, chap. 25, p. 278-285.

DESCRIPTORS: *Phosphorus compounds, *Brain, *Hypo-
thermia, Anesthesia, Adenosine phosphates, Metabo-
lism, Phosphorylation, Pentothal sodium.

The adenosine triphosphate, creatine phosphates and in-
organic phosphates in the brains of rats and rabbits were
analyzed following hypothermia without drugs and hypo-
thermia with sodium amytal induced narcosis. Arti-
ficial cooling significantly affected the metabolism of
(Biological Sciences--Physiology, TT, v. 9, no. 2)

62-14737

I. Veksler, Ya. I.
II. Palladin, A. V.
III. Title: Problems ...

Office of Technical Services

Gershenovich, Z. S., Krichevskaya, A. A., and Bronovitskaya, Z. G.
THE SYSTEM OF AMMONIA-GLUTAMINE, GLUTAMIC ACID, AND OXYDIZING PHOSPHORYLATION IN CASE OF OXYGEN INTOXICATION. [1962] [21]p. (1 fig. omitted) 36 refs.
Order from OTS or SLA \$2.60 62-14699

Trans. of mono. [Voprosy Biokhimi Nervnoi Sistemy] (Problems in the Biochemistry of the Nervous System) [ed. by] A. V. Palladin, Kiev, 1957, chap. 28, p. 311-322.

DESCRIPTORS: Biochemistry. Physiology. *Oxygen. *Poisoning. *Nervous system. *Glutamine. *Phosphorylation. Oxidation. Rats. Glutamic acid. Ammonia.

During oxygen poisoning the quantity of free ammonia increases considerably with a simultaneous decrease of free glutamine in the brain. In the protein fraction of (Biological Sciences--Biochemistry. TT, v. 9, no. 3)

62-14699

I. Gershenovich, Z. S.
II. Krichevskaya, A. A.
III. Bronovitskaya, Z. G.
IV. Title: Problems ...

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Respiration and Glycolysis in Case of Polio
Virus Infection, by R. N. Beringer,
et al. 6 pp.

Polio, Monograph, Vonrosy Biokhimi
Journal Sisyony, Chap XXXI, 1957, pp 331.

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Vol IV, No 11
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by Z. Sultankhodzhayeva. 10 pp.

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siny, Vol 2, 1961, pp 356-359.

OTS TT-64-19879

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Beaver Biology in Winter in Archangel Province, by
B. T. Semyonov.

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Tekhniki Okhotnich'yego Promysla (USSR), Vol XI-
XIV, 1951-1955.~~

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Acclimatization of the Beaver in the Ob River
Basin, by A. P. Zhdanov.

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Distribution of the River Beaver in the Ukraine
SSR, by Y. N. Kirillov.

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B. T. Semyonov.

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Re-acclimatization of the River Beaver in the Tatar
ASSR, by A. V. Popov.

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Experimental Treatment of Travassosiosis in River
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Experimental Planting of Willows in Beaver Habitat
in the Tchetchersk District, by N. I. Fomicheva.

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Increase of Food Production and Improvement of Nesting
and Shelter Conditions in Muskrat Habitat in the
Selenga Delta (East Baikal District), by V. N.
Vampilov.

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